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21 September 1962

MEMORANDUM FOR:

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ATTENTION

FROM

: Chief, Publications Staff, ORR

SUBJECT

: Release of Information as SECRET

l. It is requested that your office examine the information from the following sources cited in the attached draft of a Current Support Brief, Kemerovo Possible Site of Storable Missile Fuel Production Facility, SECRET/NO FOREIGN DISSEM, to determine whether or not it may be published as SECRET without dissemination controls:



- 2. If approval is given for the use of this information as SECRET, all sources will be deleted before the published report is released to foreign recipients.
 - 3. Please return the attached draft.

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Attachment:

Draft of Current Support Brief,

dated 14 September 1962

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Current Support Brief

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No. Pages 5 21 September 1962

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KEMEROVO, A POSSIBLE SITE OF A FACILITY FOR PRODUCTION OF STORABLE MISSILE FUEL



CENTRAL INTELLIGENCE AGENCY

Office of Research and Reports

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KEMEROVO, A POSSIBLE SITE OF A FACILITY FOR PRODUCTION OF STORABLE MISSILE FUEL

A nitrogen plant at Kemerovo, located in West Siberia about 200 kilometers east of Novosibirsk, may be either producing compounds having application as storable missile fuels or constructing a production unit for such compounds. According to current intelligence estimates, storable fuels are being used in several Soviet missiles, including a second-generation ICBM. 1/ As yet, however, no direct association has been noted between the nitrogen plant and the Soviet missile program.

On at least three occasions, employees of the Kemerovo Nitrogen Fertilizer Plant imeni 18th Congress of the VKP(b) -- a known producer of ammonia, ammonium nitrate, nitric acid, formaldehyde, and methanol 2/ -- have published reports on the subject of amines, compounds which have direct application as storable missile fuels or which may be used to produce other storable fuels, such as derivatives of hydrazine. Two of the reports describe an analysis of mixtures containing ammonia and methylamine, and the third a method of identifying primary aliphatic amines. 3/ The ammonia or methanol synthesized at the fertilizer plant together with chlorine, caustic soda, or other raw materials produced in the Kemerovo area would permit production of a wide range of amines and related compounds.

Another indication that the Kemerovo Nitrogen Fertilizer Plant may be concerned with production of storable fuels is the fact that representatives of the State Institute of Applied Chemistry (GIPKh) were working at the plant in 1961, apparently to aid in developing three processes, only one of which (the catalytic hydrogenation of nitrobenzene) was cited in an unclassified source. 4/ The catalytic hydrogenation of nitrobenzene yields aniline, which is itself a possible storable missile fuel. Although GIPKh has planned and designed facilities producing non-strategic chemical products, its functions also include the development

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and testing of propellants. During the late 1940's the institute investigated methods of producing amines for use as missile fuels, and this work led to construction of a plant at Dzerzhinsk for production of 25X1X aliphatic amines. 5/ More recently, GIPKh was synthesizing hydrazine derivatives and in fact had supplied the hydrazine 25X1X required for experiments. 6/ This statement suggests that the institute may be operating a pilot plant for production of hydrazine and, therefore, could contribute to the development of a unit capable of

The aforementioned articles on amines by employees of the Kemerovo plant, the association of this facility with GIPKh, and the availability in Kemerovo of raw materials used in production of storable fuels suggest that a facility producing such compounds may be under construction or in operation at the nitrogen fertilizer plant. In the absence of any known associations with the Soviet missile program, however, additional evidence will be required for confirmation of the suspected activity.

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large-scale production.

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Analyst:

Coord:

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